

Converting Colors

CIELCh(64, 63.587, 285.135)

Have a look what the booklet for
CIELCh(64, 63.587, 285.135)
contains.

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Color

CIELCh(64, 58.077, 283.000)

Conversions

Conversions Part 1

Format	Color
Hex	6399FF
RGB	99, 153, 255
RGB Percent	39%, 60%, 100%
CMY	0.6102, 0.3995, 0.0000
CMYK	0.61, 0.40, 0.00, 0.00
HSL	219°, 100%, 69%
HSV	219°, 61%, 100%
XYZ	34.8566, 32.8017, 100.1751
YIQ	148.4820, -64.9260, 20.2740

Conversions

Conversions Part 2

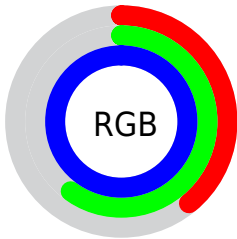
Format	Color
R _Y B	99, 139, 255
Decimal	6527487
CIE Lab	64.00, 13.06, -56.59
CIE LCh	64, 58.077, 283.000
Yxy	32.8017, 0.2077, 0.1954
Android (android.graphics.Color)	4284717567 (0xFF6399FF)
YUV	148.4820, 52.5134, -43.3957
Hunter-Lab	57.2727, 8.4090, -63.6125

Details

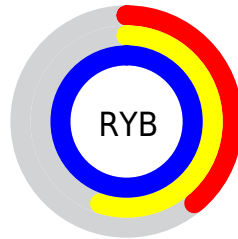
The CIELCh color **64, 58.077, 283.000** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **84, 57.686, 81.777**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 28.520, 262.850**, and **44, 57.500, 282.621** is the 20% darker color. If you saturate the color by 10%, you get **58, 67.512, 286.038**, and if you desaturate by 10%, it is **70, 47.570, 279.800**.

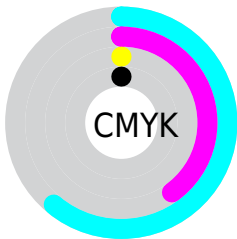
Distribution



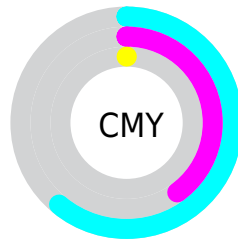
- Red (39%)
- Green (60%)
- Blue (100%)



- Red (39%)
- Yellow (55%)
- Blue (100%)



- Cyan (61%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 58.077, 283.000 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 64, 58.077, 283.000 by changing the saturation by 10% instead.

■ 64, 58.077,
283.000

■ 64, 58.077,
283.000

■ 100, 58.077,
283.000

■ 54, 58.077,
283.000

■ 84, 58.077,
283.000

■ 44, 58.077,
283.000

■ 94, 58.077,
283.000

■ 34, 58.077,
283.000

■ 24, 58.077,
283.000

■ 14, 58.077,
283.000

■ 4, 58.077, 283.000

■ 0, 58.077, 283.000

■ 64, 58.077,
283.000

■ 64, 58.077,
283.000

■ 58, 67.512,
286.038

■ 70, 47.570,
279.800

■ 53, 77.893,
289.651

■ 76, 37.937,
277.262

■ 48, 88.483,
293.406

■ 81, 28.473,
275.089

■ 45, 97.979,
296.659

■ 87, 19.155,
273.238

■ 93, 9.973, 271.669

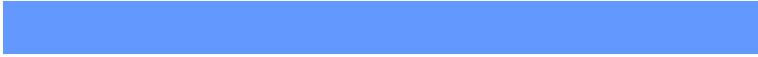
■ 99, 0.922, 270.609

100, 0.012,
296.813

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



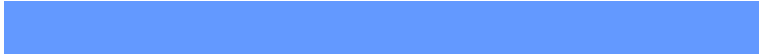
64, 58.077, 283.000



84, 57.686, 81.777

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 58.077, 283.000



64, 58.077, 333.000



64, 58.077, 103.000



64, 58.077, 153.000

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



64, 57.413, 282.729



89, 16.372, 272.737



91, 55.353, 165.389



46, 11.400, 273.220



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64, 57.413, 282.729



57, 69.550, 286.734



52, 89.059, 303.067



50, 5.142, 271.456



33, 77.488, 296.012



8, 31.079, 290.770

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



64, 63.667, 2.005



59, 73.474, 5.584



96, 74.932, 111.776



50, 5.802, 353.745



40, 69.345, 17.071



10, 31.319, 9.373

Previews

White Background



This preview shows how the CIELCh color 64, 58.077, 283.000 looks on a white background.

Color Contrast Check

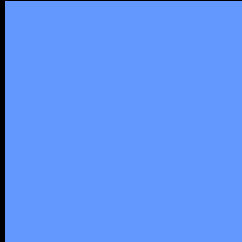
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 64, 58.077, 283.000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

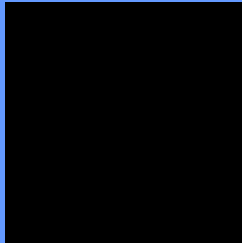
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

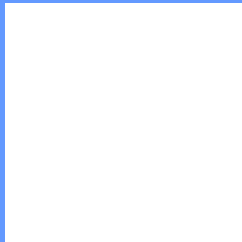
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 58.077, 283.000

Background



This preview shows how black text looks on a background with the CIELCh color 64, 58.077, 283.000.



This preview shows how white text looks on a background with the CIELCh color 64, 58.077, 283.000.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

64, 57.498, 282.713

Protanopia

64, 57.091, 286.112

Deuteranopia

64, 56.793, 279.919



Tritanopia
64, 29.893, 211.309

Trichromacy



Original Color
64, 57.498, 282.713

Protanomaly
64, 57.218, 284.770

Deuteranomaly
64, 57.173, 281.121

Tritanomaly
64, 33.270, 249.252

Monochromacy



Original Color
64, 57.498, 282.713

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 21.562, 274.391

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 58.077, 283.000 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(99, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 153, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(99, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 153, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 58.077, 283.000 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 153, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(99, 153, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(99, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 153,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 58.077, 283.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 153, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(99, 153,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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